



Why do it all on the card

- Simplify deployment by incorporating the entire biometric system on the card.
- Improve security by eliminating points of attack between elements of the system
- Prevent vandalism at public portals by protecting the sensor within the user's card
- Increase acceptance by users the fingerprints never leave the smartcard
- Minimize cost by mass-producing the biometric module



Is it the most secure authentication?



- Traditional biometric processing steps expose the intermediate points to attack
- The fingerprint smartcard combines all of the elements into one secure integrated module
- PKI security is provided with up to 2048 bit keys
- Enrollment and serialization is securely controlled
- The card communicates using ISO 7816 commands



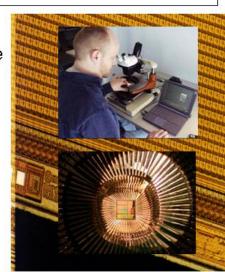
How does it change our world?

- Highest security up to 2048 bit RSA
- Fast recognition fraction of a second
- Up to 10 fingers per card
- No change to existing smartcard applications
- Designed for mass production
- Will become the cheapest biometric device



Biometric Associates, Inc

- First company to produce self-authenticating fingerprint cards
- Manufactures thin fingerprint modules
- Integrates the cards into secure systems

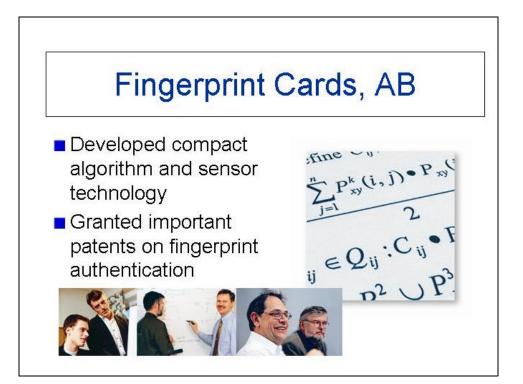








- Complete biometric system in an embedded module
- Embeddable into smartcards in existing facilities
- Can use existing card readers and programs
- No change to the existing smartcard infrastructure
- Programmed cryptographic exchange and PKI
- Provides the highest levels of security







Automatic Card Production

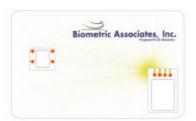
The BAI Fingerprint Module and Smartcard Module are automatically cemented into place.





Automatic Card Production

The pre-punched top cover is laminated to the bottom layer. The pads will be connected to the modules with conductive dots.

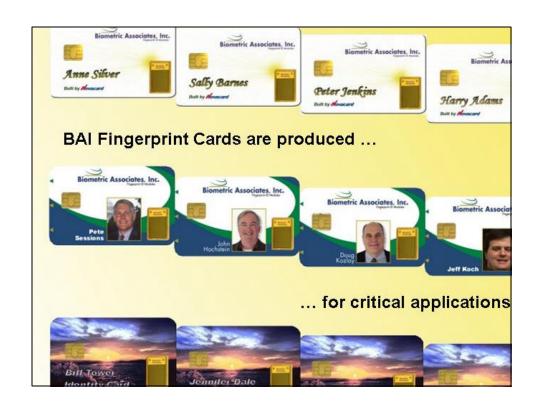




Automatic Card Production

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Critical Applications for Identity Assurance



Access to facilities

- airplanes
- cars
- buildings

Access to applications

- financial systems
- electronic funds transfers
- health insurance
- driver's licenses
- electronic voting

